

Minerals Program  
NOI Review Checklist Form  
(revised March 11, 1992)

Type of Form: MR-LMO \_\_\_\_\_ MR-REV   
Review Team: Lead: H. Shepherd  
(Please check when review is complete)  
Hyd/Geo: Wayne Hedberg   
Soil/Veg: Holland Shepherd   
Eng/Bond: Tony Gallegos   
File Number: M/049/001-92(1)  
Company: Geneva Steel  
Mine Name: Keigley Quarry  
Date Received: 3-4-92  
Target Date: 4-4-92

**RULE:**  
R613-004-101: Lead Filing Requirements and Review Procedures  
Adequately Addressed  Yes  No If no, comment:

R613-004-104: Lead Operator(s), Surface and Minerals Owners  
Adequately Addressed  Yes  No If no, comment:

R613-004-105: Maps, Drawings & Photographs  
105.1: Lead Topographic base map  
Adequately Addressed  Yes  No If no, comment:

105.2.11: All Proposed surface facilities (buildings, roads, ponds, etc.)  
Adequately Addressed  Yes  No If no, comment:

n/a

105.2.12: Lead Border Outlying Acreage  
Adequately Addressed  Yes  No If no, comment:

105.3: All Maps, drawings, or cross-sections  
Adequately Addressed  Yes  No If no, comment:

Need the submittal of a new cross-section of the pit area,  
showing slopes of 2:1 or less steep  
HWS

Roy Benson - will resubmit drawings showing less steep slopes  
4-14-92 HWS

**R6130-004-106: Operation Plan**

**106.1: Lead Material mined**  
Adequately Addressed  Yes  No If no, comment:

**106.2: All Type of operation to be conducted**  
Adequately Addressed  Yes  No If no, comment:

**106.3: Lead/Eng Estimated acreages**  
Adequately Addressed  Yes  No If no, comment:

**106.4: All Nature of materials including waste/overburden and estimated tonnage**  
Adequately Addressed  Yes  No If no, comment:

**106.5 Soils Existing soil types, location plant growth material**  
Adequately Addressed  Yes  No If no, comment:

**106.6 Soils Plan for protecting & redepositing existing soils**  
Adequately Addressed  Yes  No If no, comment:

*Roy Benson - will submit plan for protection  
4-14-92  
HWS*

**106.7 Reveg Existing vegetative communities to establish revegetation success**  
Adequately Addressed  Yes  No If no, comment:

**106.8 Hyd/Geo/Eng Depth to groundwater, overburden material & geologic setting**  
Adequately Addressed  Yes  No If no, comment:

*n/a Roy Benson - 200-300ft  
4-14-92  
HWS*

106.9 All Location & size of ore & waste stockpiles, tailings & treatment ponds  
Adequately Addressed  Yes \_\_\_ No If no, comment:

n/a

R613-004-107

Operation Practices

107.1.11 Eng Closing or guarding of shafts & tunnels to prevent entry  
Adequately Addressed \_\_\_ Yes \_\_\_ No If no, comment:

n/a

107.1.12 Eng Disposal of trash, debris  
Adequately Addressed  Yes \_\_\_ No If no, comment:

107.1.13 Geo Plugging or capping of drill holes  
Adequately Addressed \_\_\_ Yes \_\_\_ No If no, comment:

n/a

107.1.14 Eng Posting warning signs  
Adequately Addressed  Yes \_\_\_ No If no, comment:

107.1.15 Eng Construction of berms, fences  
Adequately Addressed \_\_\_ Yes \_\_\_ No If no, comment:

n/a

107.2 and 107.3 Hyd/Eng Drainages and erosion control  
Adequately Addressed  Yes \_\_\_ No If no, comment:

107.4 All Deleterious materials safely removed or isolated  
Adequately Addressed  Yes  No If no, comment:

*n/a*

107.6 Reveg Concurrent reclamation on areas when no longer needed  
Adequately Addressed  Yes  No If no, comment:

R613-004-109

Impact Assessment

109.1 Geo/Hyd Surface & groundwater systems  
Adequately Addressed  Yes  No If no, comment:

*Because impacts to GW  
Ray Benson - no impacts  
4-14-97 HWS*

109.2 Bio/Reveg Wildlife habitat and endangered species  
Adequately Addressed  Yes  No If no, comment:

109.3 Soils Existing soil resources  
Adequately Addressed  Yes  No If no, comment:

109.4 All Slope stability, erosion control, air quality, public health & safety  
Adequately Addressed  Yes  No If no, comment:

*should be developed further in plan -HWS*

109.5 All Actions proposed to mitigate any of above referenced impacts  
Adequately Addressed  Yes  No If no, comment:

*groundwater & erosion control need to be addressed -HWS*

**R613-004-110**

**Reclamation Plan**

**110.1 Lead/All Current land use and postmining land use**  
Adequately Addressed  Yes  No If no, comment:

**110.2 All Roads, highwalls, slopes impoundments, drainages, pits, ponds, drill holes, etc. will be reclaimed**  
Adequately Addressed  Yes  No If no, comment:

**110.3 All Surface facilities to be left**  
Adequately Addressed  Yes  No If no, comment:

n/a

**110.4 All Treatment, location and disposition of deleterious materials**  
Adequately Addressed  Yes  No If no, comment:

n/a

**110.5 Soil Revegetation planting program and topsoil redistribution**  
Adequately Addressed  Yes  No If no, comment:

**R613-004-111**

**Reclamation Practices**

**111.1 Eng/Geo/Hyd Permanent sealing of shafts & tunnels**  
Adequately Addressed  Yes  No If no, comment:

n/a

**111.2 Eng Reclamation of natural stream channels**  
Adequately Addressed  Yes  No If no, comment:

n/a

**111.3 Hyd/Eng Erosion control - sediment**  
Adequately Addressed  Yes  No If no, comment:

should be developed further in plan - HWS

111.9 Eng/Hyd Dams & impoundments to be self-draining and stable  
Adequately Addressed \_\_\_Yes \_\_\_No If no, comment:

n/a

111.11 Eng Structures & equipment buried or removed  
Adequately Addressed \_\_\_Yes \_\_\_No If no, comment:

n/a

R613-004-112 All Variance  
Adequately Addressed Yes \_\_\_No If no, comment:

R613-004-113 Eng/Lead Surety  
Adequately Addressed Yes \_\_\_No If no, comment:

R613-004-115 Lead Confidential Information  
Adequately Addressed \_\_\_Yes \_\_\_No If no, comment:

n/a

R613-004-116 Lead Public Notice & Appeals  
Adequately Addressed \_\_\_Yes \_\_\_No If no, comment:

n/a size and impacts of revision places it in amendment category - HWS

Note to Reviewers:

When preparing your technical review memos to the permit lead, please formulate deficiency comments in paragraph form with reference to the specific rule. Be specific in what is not in compliance and state what is needed to comply. Prepare comments as you want them to go out to the operator.

jb  
NOI-Rev